

CLAIMS

[1] A condensate demineralizer for demineralizing condensate in a nuclear power plant, comprising a mixed bed of a strongly acidic gel-type cation exchange resin and a  
5 uniform particle size strongly basic porous anion exchange resin.

[2] The condensate demineralizer of claim 1 wherein the anion exchange resin has an average particle size of 500-1000  $\mu\text{m}$  and a particle size distribution in which 95%  
10 or more of resin particles are within the range of the average particle size  $\pm 100 \mu\text{m}$ .

[3] A method for demineralizing condensate in a nuclear power plant by using the condensate demineralizer of claim 1 or 2.